

AMENDMENTS TO THE CLAIMS

1. (currently amended) A servo position adjustment method for recording to an information recording medium, in which a plurality of tracks are formed concentrically or spirally, and the recording side of the tracks is irradiated with an optical beam to record user data ~~in marks and the spaces between marks~~, said method comprising:

a first servo position adjustment step;

a recording step of recording a predetermined signal under the effect of the~~after~~ first servo position adjustment;

a reproduction step of reproducing the predetermined signal recorded in said recording step; and

a second servo position adjustment step of performing a second servo position adjustment based on the reproduction of the predetermined signal~~by reproducing the track where the predetermined signal was recorded.~~

2. (currently amended) The servo position adjustment method according to claim 1, wherein ~~said~~ the first servo position adjustment step comprises adjusting a servo position on a basis of a first evaluation index, and

wherein said the second servo position adjustment step ~~comprises~~are steps of adjusting a servo position on the basis of a second~~different~~ evaluation index~~indices~~.

3. (currently amended) The servo position adjustment method according to claim 2, wherein the basis for adjusting a servo position in said~~the~~ first servo position adjustment step is ~~a step of adjusting a servo position so as to optimize the first~~an evaluation index with respect to tracking error.

4. (currently amended) The servo position adjustment method according to claim 2, wherein the basis for adjusting a servo position in said~~the~~ second servo position adjustment step is ~~a step of adjusting a servo position so as to optimize the second~~an evaluation index with respect to a reproduction signal in a predetermined reproduction signal processing

method.

5. (currently amended) The servo position adjustment method according to claim 4,
wherein the second ~~evaluation index is~~ ~~servo position adjustment step is a step of~~
~~adjusting a servo position so as to minimize a PRML error index M, and~~
wherein optimizing the second evaluation index comprises minimizing the PRML error
index M.

6. (currently amended) The servo position adjustment method according to claim 1,
wherein at least one of adjustments of focal position, lens tilt position, and spherical
aberration position is performed in ~~said~~ the first servo position adjustment step or ~~said~~ the second
servo position adjustment step.

7. (currently amended) The servo position adjustment method according to claim 1,
wherein recording conditions in ~~said~~ the recording step are determined by test recording.

8. (Original) The servo position adjustment method according to claim 7,
wherein the recording conditions include conditions for pulse position and/or laser
irradiation power in recording the predetermined signal.

9. (currently amended) A servo position adjustment device for adjusting a servo position
in the course of recording to an information recording medium, in which a plurality of tracks are
formed concentrically or spirally, and the recording side of the tracks is irradiated with an optical
beam to record user data ~~in marks and the spaces between marks~~, said device comprising:

a first servo position adjustment unit operable to perform a first servo position
adjustment;

a recording unit operable to record a predetermined signal under the effect of the ~~after~~ first
servo position adjustment; and

a second servo position adjustment unit operable to reproduce the predetermined signal
recorded by said recording unit and to perform a second servo position adjustment based on the
reproduction of the predetermined signal. ~~by reproducing the track where the predetermined~~

signal was recorded.